



PRODUCT INFORMATION SHEET

LEMON GEL

ALL PURPOSE CLEANER

PRODUCT INFORMATION:

Viscous, multi-purpose cleaner ideal for all hard floor surfaces such as stainless steel, chrome, plastic, glass, ceramic, porcelain, vinyl, rubber, marble, terrazzo, polished & sealed floors as well as sinks, lavatories, plastics & all water safe surfaces, leaving a streak free surface & a lemon fresh fragrance

ADVANTAGES:

| | |
|------------------------------|--|
| GENERAL PURPOSE APPLICATION: | Lemon Gel is a concentrated product effective on all washable surfaces such as stainless steel, chrome, plastic, glass, ceramic, porcelain, vinyl, rubber, marble, terrazzo, polished & sealed floors. |
| POWERFUL SOIL REMOVAL: | Contains a blend of anionic surfactants, wetting and emulsifying agents which enable it to penetrate emulsify & remove grease & grime quickly & efficiently. |
| NON-STREAKING: | Lemon Gel leaves a clear, sparkling, streak and stain free surface without leaving a film. |
| FAST ACTING AND VERSATILE: | Effective within moments of application & can be applied easily by spray or mop to all surfaces. |
| BIODEGRADABLE: | Readily biodegradable water based cleaner. |
| SOLUBILITY: | 100% soluble in water. |

DIRECTIONS FOR USE:

Dilute up to 1:40 parts clean water. Apply by spray or mop directly onto surface & wipe clean with a clean cloth or mop or burnish to a shine with a high speed floor machine.

HEALTH AND SAFETY:

See Safety Data Sheet.

PACKAGING:

All our plastic drums are high molecular weight; high-density polyethylene designed to bring the product to the customer in perfect conditions.

Size: 5Lt Drum.

QUALITY ASSURANCE:

This product is manufactured in Ireland to ISO 9002 quality standards & conforms to R.E.A.C.H & CLP regulations. Shelf life: Not less than 3 years.

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 1 of 8

Date of issue: 01.01.17

Replaces version of: 01.01.16

PRODUCT NAME: LEMON GEL

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name LEMON GEL
Product No. HR 506

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Cleaning agent

1.3. Details of the supplier of the safety data sheet

Supplier Total Cleaning Supplies
Limerick: 061 436 402 | Cork: 021 435 5262
sales@totalcleaningsupplies.ie
www.totalcleaningsupplies.ie

1.4. Emergency Contact: National Poisons Information Centre, Beaumont Hospital,
Beaumont Road, Dublin 9. Tel: +353(01)8092566

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification: Regulation (EC) No 1272/2008: H319
Human health: Causes serious eye irritation
Environment: This product is Readily Biodegradable and not expected to be hazardous to the environment.

2.2. Label elements

Detergent

Labelling: Contains: Propon-2-ol, phosphoric acid, non-ionic & anionic surfactants



WARNING

Hazard Phrases H319 Causes serious eye irritation

Precautionary Statements P102 Keep out of the reach of children
P264 Wash hands thoroughly after handling
P280 Wear protective eye protection/face protection
P305 IF IN EYES: Flush eyes with water, remove contact lenses if present & continue rinsing. Obtain medical attention if irritation persists.

2.3. Other hazards N/A

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 2 of 8

Date of issue: 01.01.17

Replaces version of: 01.01.16

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

| | |
|---|-------|
| SODIUM LAURYL ETHER SULPHATE CAS-No.: 68585-34-2 EC No.: 221-416-0 | 5-10% |
| Classification (EC 1272/2008) Eye Irrit. 2 - H319 | |
| COCONUT DIETHANOLAMIDE CAS-No.: 8051-30-7 EC No.: | 1-5% |
| Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318 | |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS-No.: 61789-40-0 EC No.: 263-058-8 | 0-1% |
| Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 2 - H319 | |
| ALCOHOL ETHOXYLATE CAS-No.: 102782-43-4 EC No.: 809-915-7 | 0-1% |
| Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 2 - H319 | |
| PROPAN-2-OL CAS-No.: 67-63-0 EC No.: 200-661-7 | 0-1% |
| Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336 | |
| PHOSPHORIC ACID CAS-No.: 7664-38-2 EC No.: 231-633-2 | 0-1% |
| Classification (EC 1272/2008) Skin Corr. 1B - H314 | |

A Full Text for all Hazard Statements are Displayed in Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

| | |
|---------------|--|
| Inhalation: | Not relevant. Inhalation unlikely. In case of inhalation of spray mist: Move person into fresh air and keep at rest. |
| Ingestion: | DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention if any discomfort continues. |
| Skin contact: | Wash skin with soap and water. |
| Eye contact: | Flush eyes with water, remove contact lenses if present & continue rinsing. Obtain medical attention if irritation persists. |

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 3 of 8

Date of issue: 01.01.17

Replaces version of: 01.01.16

4.2. Most important symptoms and effects, both acute and delayed

| | |
|---------------|--|
| Inhalation: | No symptoms noted. |
| Ingestion: | No specific symptoms noted but may cause discomfort if swallowed |
| Skin contact: | No specific symptoms noted but prolonged or excessive exposure may cause skin dryness. |
| Eye contact: | Will cause irritation eyes. May cause serious damage to eyes by affecting the natural lubrication of the eye & cause redness &/or tearing. |

4.3. Indication of any immediate medical attention and special treatment needed

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

SECTION 5: FIRE FIGHTING MEASURES

| | |
|--|--|
| 5.1 Suitable Extinguishing Media: | This product is flammable. Use appropriate extinguishing media for surrounding materials |
| 5.2 Unsuitable: | N/A |
| 5.3 Specific Hazards: | Avoid breathing fire vapours. Harmful vapours or gases may be formed in a fire |
| 5.4 Special Equipment for the protection of Fire Fighters: | Wear full protective clothing & breathing apparatus. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

| | |
|--------------------------------|---|
| 6.1 Personal Precautions: | None required (see Section 8.) |
| 6.2 Environmental Precautions: | No special measures required |
| 6.3 Methods for Cleaning up: | Small Spills - Flush with water. Large Spills - Contain and collect spillage and absorb on to sand for disposal. |

SECTION 7: HANDLING AND STORAGE

7.1 Handling

| | |
|-----------------------|---|
| Technical Measures: | No special measures required. |
| Safe Handling Advice: | None noted. Comply with instructions for use. |

7.2 Storage

| | |
|------------------------|---|
| Technical Measures: | No special measures required. |
| Storage Conditions: | Store in a cool dry place away from oxidizing agents. |
| Incompatible Products: | None known. |
| Packaging: | Plastic Drums. |
| Packaging Materials: | Recommended: Plastic Materials, Polyethylene, Polypropylene. Not Suitable – N/A. |

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 4 of 8

Date of issue: 01.01.17

Replaces version of: 01.01.16

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Engineering Measures: No special measures required.

8.2 Personal Protection Equipment:



Respiratory Protection: Provide adequate ventilation in areas of confined space.
Hand Protection: None Required
Eye Protection: Use Chemical Goggles or Face Shield to EN Standard 166 Level 3 or higher

Skin Protection: None Required

8.3 Hygiene Measures: Handle in accordance with good industrial hygiene and safety practices.

8.4 Occupational Exposure Limits:

| Name | STD | Occupational Exposure Limit Value (8-hour reference period) | | Occupational Exposure Limit Value (15 minute reference period) | | Notes |
|-----------------|------|---|---------|--|---------|-------|
| | | ppm | mg/m3 | Ppm | mg/m3 | |
| PROPAN-2-OL | OELV | 200 | - | 400 | - | |
| PHOSPHORIC ACID | OELV | - | 1 mg/m3 | - | 2 mg/m3 | |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | | |
|----|---|------------------------|
| a) | Appearance: | Viscous Yellow Liquid. |
| b) | Odour: | Fragrant |
| c) | Odour threshold: | N/A |
| d) | pH: | 7+/-0.5 |
| e) | Melting point / freezing point: | No data available |
| f) | Initial boiling point & boiling range: | 100°C |
| g) | Flash point: | No data available |
| h) | Evaporation rate: | No data available |
| i) | Flammability solid, gas): | No data available |
| j) | Upper/lower flammability or explosive limits: | No data available |
| k) | Vapour pressure: | No data available |
| l) | Vapour density: | No data available |
| m) | Relative density: | 1.01kg/dm3 |
| n) | Solubility(ies): | Soluble in Water |
| o) | Partition coefficient: n-octanol/water: | No data available |
| p) | Auto-ignition temperature: | No data available |
| q) | Decomposition temperature: | No data available |
| r) | Viscosity: | No data available |
| s) | Explosive properties: | No data available |
| t) | Oxidising properties: | No data available |

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 5 of 8

Date of issue: 01.01.17

Replaces version of: 01.01.16

SECTION 10: STABILITY AND REACTIVITY

| | |
|--|---|
| <u>10.1. Reactivity:</u> | There are no known reactivity hazards associated with this product. |
| <u>10.2. Chemical stability:</u> | Stable under normal temperature conditions and recommended use. |
| <u>10.3. Possibility of hazardous reactions:</u> | Hazardous Polymerisation N/A |
| <u>10.4. Conditions to avoid:</u> | Do not mix with strong acids or oxidising agents. |
| <u>10.5. Incompatible materials:</u> | Strong acids or oxidising agents. |
| <u>10.6. Hazardous decomposition products:</u> | None under normal conditions. |

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

| | |
|---------------|---|
| Inhalation: | No symptoms noted. |
| Ingestion: | No specific symptoms noted but may cause discomfort if swallowed |
| Skin contact: | No specific symptoms noted but prolonged or excessive exposure may cause skin dryness. |
| Eye contact: | Will cause irritation eyes. May cause serious damage to eyes by affecting the natural lubrication of the eye & cause redness &/or tearing |

11.2. Toxicological information on ingredients:

SODIUM LAURYL ETHER SULPHATE (CAS: 68585-34-2)

Acute Toxicity (Oral LD50)

1600 mg/kg Rat

Miscellaneous information sources

COCONUT DIETHANOLAMIDE (CAS: 8051-30-7)

Acute Toxicity (Oral LD50)

> 2000 mg/kg Rat

IUCLID chemical data sheet

PROPAN-2-OL (CAS: 67-63-0)

Acute Toxicity (Oral LD50)

5.84 g/kg Rat

Acute Toxicity (Dermal LD50)

16.4 mL/kg Rabbit

Acute Toxicity (Inhalation LC50)

> 10000 ppm (vapours) Rat

REACH dossier information

PHOSPHORIC ACID (CAS: 7664-38-2)

Toxic Dose 1 - LD 50

>1530

Acute Toxicity (Dermal LD50)

>2740 mg/kg Rabbit

REACH dossier information

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 6 of 8

Date of issue: 01.01.17

Replaces version of: 01.01.16

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity

Not regarded as dangerous for the environment. The product is easily biodegradable.

12.1. Toxicity

Ecological information on ingredients:

SODIUM LAURYL ETHER SULPHATE (CAS: 68585-34-2)

No Information Available

COCONUT DIETHANOLAMIDE (CAS: 8051-30-7)

Acute Toxicity - Fish

LC50 96 hours 5.4 mg/l Brachydanio rerio (Zebra Fish)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 2.39 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

EC50 96 hours 2.3 mg/l Scenedesmus acutus

IUCLID chemical data sheet.

PROPAN-2-OL (CAS: 67-63-0)

Acute Toxicity - Fish

LC50 9640 mg/l Pimephales promelas (Fat-head Minnow)

Acute Toxicity - Aquatic Invertebrates

LC50 24 hours > 10000 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

Toxicity threshold 168 hours 1800 mg/l Scenedesmus quadricauda

REACH dossier information

PHOSPHORIC ACID (CAS: 7664-38-2)

Acute Toxicity - Fish

LC50 96 hours 702 µg/L Pimephales promelas (Fat-head Minnow)

REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 0.67 mg/l Daphnia magna

REACH dossier information

Acute Toxicity - Aquatic Plants

EC50 72 hours 8 mg/l Desmodesmus subspicatus

REACH dossier information

12.2. Persistence and degradability

Degradability: The surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Ecological information on ingredients.

PHOSPHORIC ACID (CAS: 7664-38-2)

Degradability

This product mainly consists of inorganic compounds which are not biodegradable. The remaining compounds of the product are expected to be easily biodegradable

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 7 of 8

Date of issue: 01.01.17

Replaces version of: 01.01.16

12.3. Bioaccumulative potential

No data available on bioaccumulation.

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

General information: Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Consign empty container to normal waste.

13.1. Waste treatment methods

Dispose of waste in accordance with local regulations. Recover, reclaim or recycle, where possible.

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods:

| REGULATIONS | CLASS |
|--------------------|--------------|
| RID/ADR: | N/A |
| ICAO/IATA-DGR: | N/A |
| GGVSee/IMDG-Code: | N/A |

14.1. UN number None

14.2. UN proper shipping name None

14.3. Transport hazard class(es) N/A.

14.4. Packing Group N/A

14.5. Environmental Hazards None known

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments

Corresponding to Preparations Regulations S.I. No. 62 of 2004

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 8 of 8

Date of issue: 01.01.17

Replaces version of: 01.01.16

SECTION 16: OTHER INFORMATION

Revision Comments

Re-issued according to Regulation (EU) No 453/2010.

Revision Date: 01.01.17

Revision No: 5

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Hazard Statements In Full

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation

H318 Causes serious eye damage

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.